

**DVD/CD/PLAYER**


**DVD-224SS**  
**USER'S MANUAL**



Please read this manual before connection and use.



# IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
  2. Keep these instructions.
  3. Heed all warnings.
  4. Follow all instructions.
  5. Do not use this apparatus near water.
  6. Clean only with a damp cloth.
  7. Do not block any of the ventilation openings. Install in accordance with the manufacturers instructions.
  8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus(including amplifiers) that generate heat.
  9. Do not defeat the safety purpose if the polarized or grounding- type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
  10. Protect power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
  11. Only use attachments/accessories specified by the manufacturer.
  12. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 

Portable Cart Warning
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
  14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
  15. The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus

## CAUTION:

Mains plug is used as the disconnect device. It shall remain readily operable and should not be obstructed during intended use.



Double insulation  
This is a class II apparatus

# SAFETY INFORMATION

**TO REDUCE THE RISK OF FIRE AND ELECTRIC SHOCK, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.**



**CAUTION:** To reduce the risk of fire and electric shock, do not remove the cover (or back) of the unit. Refer servicing only to qualified service personnel.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.



The exclamation point symbol within an equilateral triangle is intended to alert the user to the presence of important operation and servicing instructions in the literature accompanying the appliance.

**WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.**

**CAUTION : TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.**

## IMPORTANT SAFE GUARDS

In addition to the careful attention devoted to quality standards in the manufacture of your video product, safety is a major factor in the design of every instrument. However, safety is your responsibility, too. This sheet lists important information that will help to assure your enjoyment and proper use of the video product and accessory equipment. Please read them carefully before operation and using your video product.

### Installation

1. Read and Follow Instructions-All the safety and operation instructions should be read before the video product is operated. Follow all operating instructions.
2. Retain Instructions-The safety and operating instructions should be retained for future reference.
3. Heed all Warnings-Comply with all warnings on the video product and in the operating instructions.
4. Polarization-This video product is equipped with a polarized alternating-current line plug. This plug will fit into the power outlet, try reversing the plug. If the plug still fails to fit, contact your electrician to replace your obsolete outlet. To prevent electric shock, do not use this polarized plug with an extension cord, receptacle, or other outlet unless the blades can be fully inserted without blade exposure. If you need an extension cord, use a polarized cord.
5. Power Sources-This video product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your video dealer or local power company. For video products intended to operate from battery power, or other sources, refer to the operating instructions.
6. Overloading-Do not overload wall outlets or extension cords as this can result in a risk of fire or electric shock. Overloaded AC outlets, extension cords, frayed power cords, damaged or cracked wire insulation, and broken plugs are dangerous. They may result in a shock or fire hazard. Periodically examine the cord, and if its appearance in discolored damage or deteriorated insulation, have it replaced by your service technician.
7. Power-Cord Protection-Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the video product.
8. Ventilation-Slots and openings in the case are provided for ventilation to ensure reliable operation of the video product and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the video product on a bed, sofa, rug, or heat register. This video product should not be placed in a built-in installation such as a book case or rack, unless proper ventilation is provided or the video product manufacturer's instructions have been followed.
9. Attachments-Do not use attachments unless recommended by the video product manufacturer as they may cause hazards.
10. Water and Moisture-Do not use this video product near water for example, near a bath tub, wash bowl, kitchen sink or laundry tub, in a wet basement, or near a swimming pool and the like. Caution: Maintain electrical safety. Powerline operated equipment or accessories connected to this unit should bear safety certification mark on the accessory itself and should not be modified so as to defeat the safety features. This will help avoid any

danger and should not be modified so as to defeat the safety features. This will help avoid any potential hazard from electrical shock or fire. If in doubt, contact qualified service personnel.

11. Accessories-Do not place this video product on an unstable cart, stand, tripod, bracket, or table. The video product may fall, causing serious injury to a child or adult as well as serious damage to the video product. Use this video product only with a cart, stand, tripod, bracket, or table recommended by the manufacturer's or sold with the video product. Any mounting of the product should follow the manufacturer's instructions and use of a mounting accessory recommended by the manufacturer.
12. A video product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the video product and cart combination to overturn.  
Note to CATV system installer  
This reminder is provided to call the CATV system installer's attention to Section 820-40 of the NEC which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.
13. Outdoor Antenna Grounding- If an outside antenna or cable system is connected to the video product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code, ANSI/NFPA No. 70-1984 (Section 54 of Canadian Electrical Code, Part 1) provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.
14. Power Lines-An outside antenna system should not be located in the vicinity of overhead power lines, other electric light or power circuits, or where it can fall in to such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching or approaching such power lines or circuits, as contact with them might be fatal. Installing an outdoor antenna can be hazardous and should be left to a professional antenna installer.

### Use

15. Cleaning-Unplug this video product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a soft dry cloth for cleaning.
16. Objects that may touch dangerous voltage points or "short-out" parts could result in a fire or electric shock. Never spill liquid of any kind on the video product.
17. Lightning-For added protection for this video product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the video product due to lightning and power line surges.

### Service

18. Servicing-Do not attempt to service this video product yourself, as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
19. Conditions requiring service-unplug this video product from the wall outlet, refer servicing to qualified service personnel under the following conditions:
  - A. When the power-supply cord or plug is damaged.
  - B. If liquid has been spilled, or objects have fallen in to the video product.
  - C. If the video product has been exposed to rain or water.
  - D. If the video does not operate normally by following the instruction manual. Adjust only those controls that are covered by operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the video product to its normal operation.
  - E. If the video product has been dropped or cabinet has been damaged.
  - F. When the video product exhibits a distinct change in performance-this indicates a need for service.
20. Replacement Parts-When replacement parts are required, have the service technician verify that the replacements he uses have the same safety characteristics as the originals. Use of replacements specified by the video product manufacturer can prevent fire, electric shock or other hazards.
21. Safety Check-Upon completion of any service or repairs to this video product, ask the service technician to perform safety checks recommended by the manufacturer to determine that the video product is in safe operating condition.
22. Wall or Ceiling Mounting-The product should be mounted to a wall or ceiling only as recommended by the manufacturer.
23. Heat-The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

# FEATURES

Plays DVD, DVD+R/RW, CD, CD-R/RW.

## TV format:

PAL / NTSC color system

4:3 / 16:9 screen format selection

## Video output:

Composite Video output

## Audio output:

Down-mix stereo output

Digital audio output (coaxial)

Dolby Digital output

## DVD features:

Multi Subtitle selection

Multi Language selection

Multi Angle selection

## Other features:

On screen display menu

Digital zooming

Slow motion

Parental control

JPEG picture view

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This product incorporates copyright protection technology that is  
protected by method claims of certain U.S. patents and other  
intellectual property rights owned by Macrovision Corporation and  
other rights owners. Use of this copyright protection technology  
must be authorized by Macrovision Corporation, and is intended for  
home and other limited viewing use only unless otherwise  
authorized by Macrovision Corporation. Reverse engineering or  
disassembly is prohibited.



The player has built in copyright  
protection technology that  
prevents copying from a DVD  
disc to any media.



If a video recorder is connected to  
the player, the video output image  
will be distorted during recording.

# INTRODUCTION

## About DVD






DVD (Digital Versatile Disc) is a digital video medium under the MPEG II format, featuring a variety of revolutionary entertainment capabilities. The MPEG II video compression technology provides capacity for an excellent picture of minimum 500 lines resolution on screen, up to 8 language soundtracks, up to 9 views from different camera angles and up to 32 language subtitles (provided by the DVD disc itself which supports these features).

### Disc information

Disc types	DVD	CD
Decoding Method	Digital / MPEG II	Digital
Capacity	Single-layer / Single side 4.7GB=2hr Single-layer / Double sides 8.5GB=4hr Double-layers / Single side 9.4GB=4.5 hr Double-layers / Double sides 17GB=8 hr	650MB = 74min
Disc size	12cm / 8cm	12cm / 8cm
Horizontal Resolution	500 lines up	-
Sub-titles	32	-
Sound tracks	8	1
Symbol		

### DVD features symbols

Each DVD disc contains various features depending on production of the disc. Below are some of the symbols representing the features:

-  Number of Audio Tracks
-  Screen Format
-  Number of Subtitles
-  Zoom
-  Angle Indicator



The player has built in copyright protection technology that prevents copying from a DVD disc to any media.

If a video recorder is connected to the player, the video output image will be distorted during recording.

### REMARK

Some features contained in this DVD player are related to the DVD disc's software.

Some features cannot be performed if the disc does not support the feature, or requires special settings.

Check the features printed on the disc's packing or follow the instructions of the Disc's on screen menu.

### Select a DVD disc

#### DVD Region Code

DVD discs and DVD players are manufactured under the worldwide agreed DVD Regional Code System that the player will operate only with corresponding disc of the same Regional Code.

Region code	Region
1	Canada, USA
2	Europe (incl. Poland, Romania, The Czech republic), Japan, Middle East (incl. Saudi Arabia, Egypt, Iran, South Africa)
3	East Asia (incl. HongKong, Taiwan, South Korea), South-East Asia
4	Australia, Caribbean, Central & South America, Mexico, New Zealand
5	Africa, Former Soviet Union, India, North Korea, Pakistan, Turkmenistan
6	China

### Care of disc

Video disc contains high-density compressed data that needs proper handling

- Hold the disc with fingers. Hold the disc's outer edge and/or the center spindle hole. Do not touch the disc surface.



- Do not bend or press the disc. Do not expose the disc to direct sunlight or heating sources.



- Store discs in cabinet vertically, in dry condition. Prevent exposure to:
  - Direct sunlight
  - Heat or exhaust from a heating device.
  - Extreme humidity.
- Clean the disc surface with a soft, dry cleaning cloth. Wipe the disc surface gently, radially, from center toward the outer edge.
- Do not apply thinner, alcohol chemical solvent, or sprays when cleaning. Such cleaning fluids will permanently damage the disc surface.

The player is compatible to the following disc types:

**DVD**    single sided / double sided  
         single layered / double layered

**CD-DA**

**CD-R / CD-RW\***

**PICTURE CD**

**\*NOTE:** Some PC application files on CD-R or CD-RW **CANNOT** be accepted by the unit, e.g. CD-ROM under PC Windows, etc. (CD-R/CD-RW writing format may be different, some discs are not compatible)

## Invalid disc

The following discs are **NOT** compatible with the DVD player:

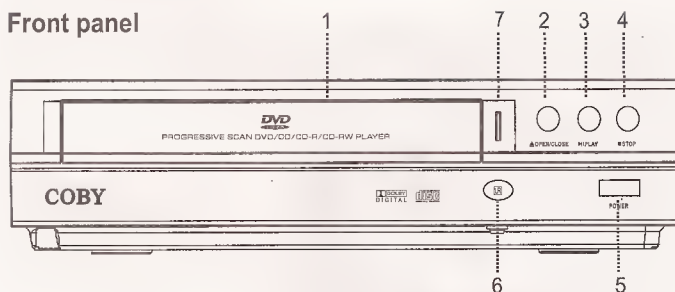
- DVD discs with a Region code that does not match the player's Region code.  
The player will not recognize the format. (Check the disc's region code printed on the disc packaging Region code "ALL" will be acceptable by all players.)
- Some DVD discs that were purchased outside the application country
- PC application on CD-R/CD-RW
- CD-ROM for PC interface only



# INTRODUCTION

## About the player

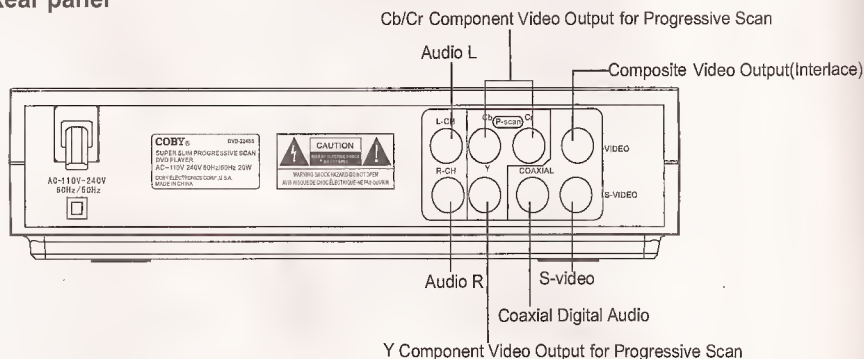
### Front panel



1. Disc tray
2. Open/close button
3. Play/pause button
4. Stop button

5. Power button
6. Remote sensor
7. Power indicator

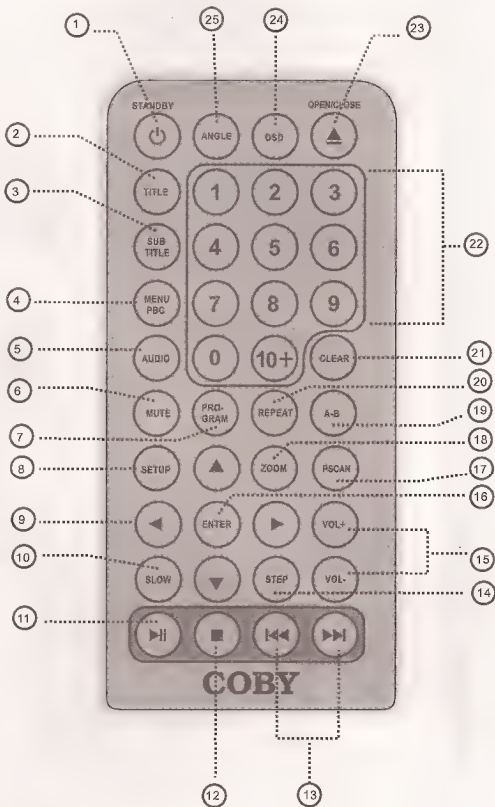
### Rear panel





## Remote control surface

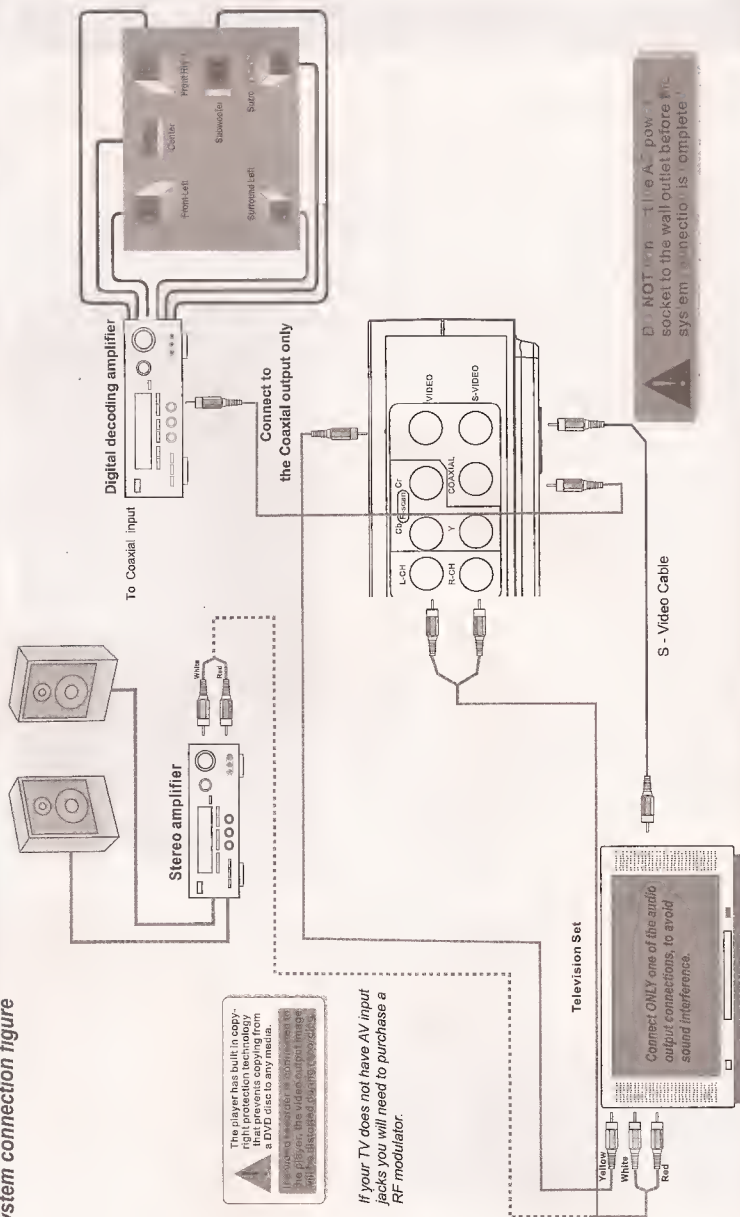
1. STANDBY button
2. TITLE button
3. SUBTITLE button
4. MENU PBC button
5. AUDIO button
6. MUTE button
7. PROGRAM button
8. SETUP button
9. DIRECTION buttons
10. SLOW button
11. PLAY/PAUSE button
12. STOP button
13. FF/REW buttons
14. STEP button
15. VOLUME buttons
16. ENTER button
17. P-SCAN button
18. ZOOM button
19. A-B button
20. REPEAT button
21. CLEAR button
22. NUMBER buttons
23. OPEN/CLOSE button
24. OSD button
25. ANGLE button



### Notes

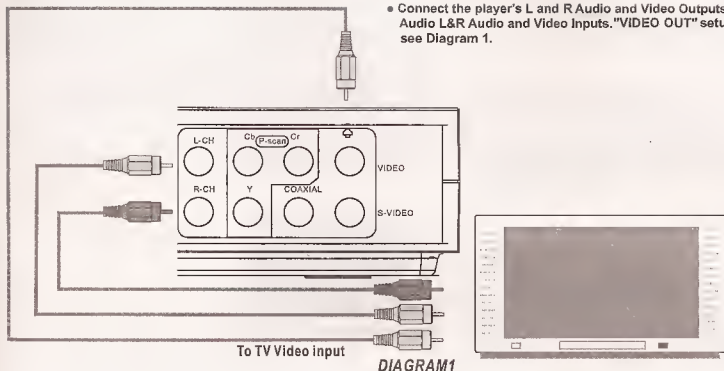
The remote control transmits a directional infrared beam. Be sure to aim the remote control directly at the infrared sensor during operation. When the sensor is covered or there is a large object between the remote control and the sensor, the sensor cannot receive signals. The sensor may not be able to receive signals properly when it is exposed to direct sunlight or a strong artificial light (such as a fluorescent or strobe light). In this case change the direction of the light or reposition the unit to avoid direct lighting.

## System connection figure

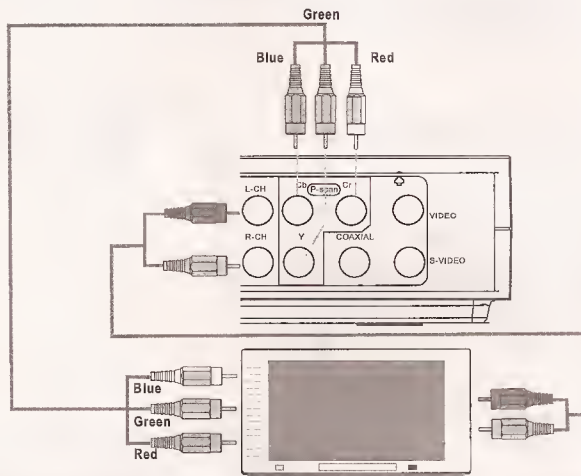


## System connection to a TV set

- Connect the player's L and R Audio and Video Outputs to the TV's Audio L&R Audio and Video Inputs. "VIDEO OUT" setup "NORMAL", see Diagram 1.



## The Progressive Scan connection Y/Cb/Cr



① The player is equipped with composite AV outputs at the rear of the player. Your TV will require at least one set of AV inputs. The patch cord supplied with the player will connect your player's AV output to your TV'S inputs.

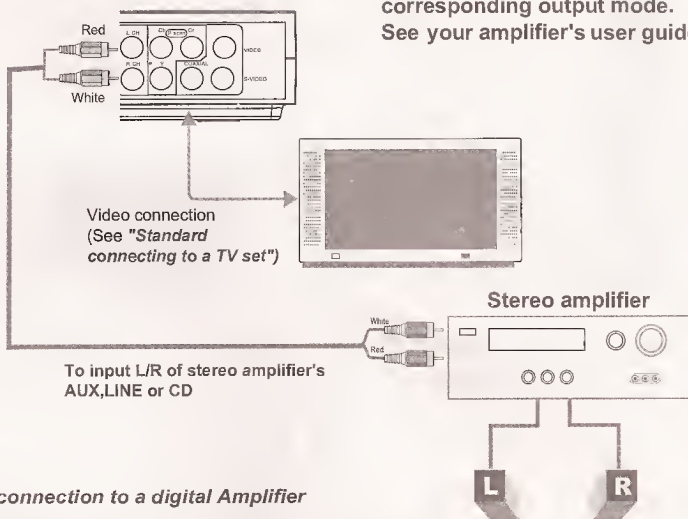
② Please remember to push the "Line" or "Input" or "Video/TV" button on your TV remote to view the DVD signal. Depending on your brand of TV, this button will have a different name for the same function, as per the examples above.

That function will allow your TV to be switched from the broadcast reception mode to one of the AV signals. Some TVs have more than one AV input.

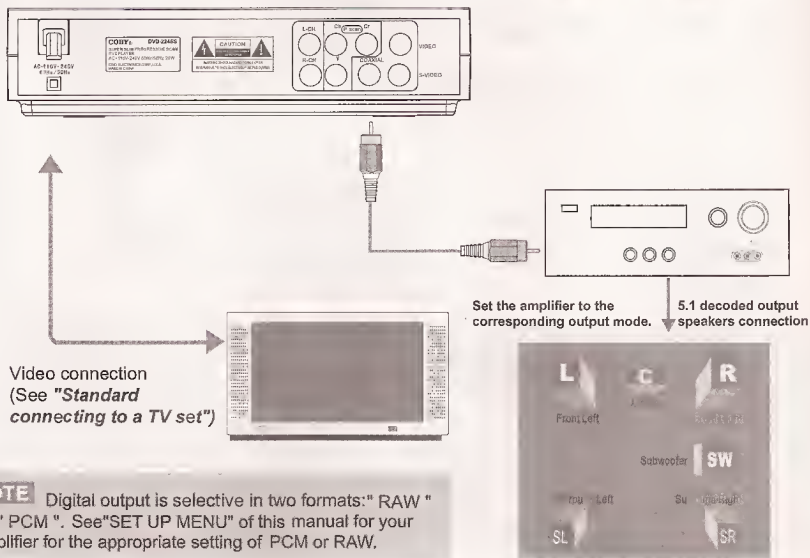
③ The player is equipped for stereo playback. To fully realize 2 channel sound, a Stereo TV or AV receiver is necessary. However, a Mono TV may be used. You may connect either the Left or Right audio channel from the DVD Composite audio out to the mono TV audio input.

## Connecting to a Audio Amplifier

Set the amplifier to the corresponding output mode.  
See your amplifier's user guide.



## Digital audio connection to a digital Amplifier

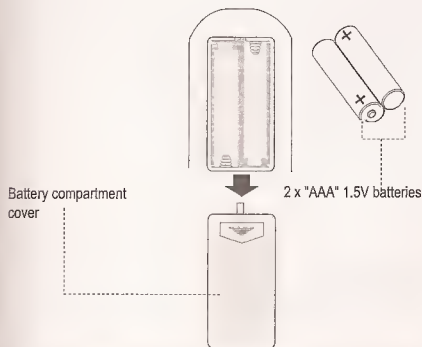


**NOTE** Digital output is selective in two formats: "RAW" or "PCM". See "SET UP MENU" of this manual for your amplifier for the appropriate setting of PCM or RAW.

- Unpack the unit.
- Read through this owner's manual before installation and use.
- Loading batteries in the remote control.
- Connect the system, make sure the connections are secure.
- Connect the power plug to the AC power outlet.

#### Loading batteries in the remote control

- Remove the battery compartment cover.
- Load two AAA (UM-4 or R03) batteries into the battery compartment.
- Make sure that the batteries have been inserted with the correct polarities matching to the symbols+,- marked in the battery compartment. Close the battery compartment cover.
- When replacing batteries, replace both batteries. Do not mix new and used batteries operating together, otherwise, the operation lifetime will be much shorter than normal.
- Remove the batteries if the unit will not be used for a prolonged period of time.



The remote control transmits a directional infrared beam. Be sure to aim the remote control directly at the infrared sensor of the unit during operation.

If the sensor has been covered or there is a large object between the remote control and the sensor, the sensor will not respond.

The sensor may not be able to receive the remote signal when it is exposed to direct sunlight or a strong artificial light (fluorescent or strobe light). In this case, change the direction of the light or reposition the unit to avoid direct lighting.

#### Switch on the player

Press the main power switch on the DVD player. Power on the TV set, and the amplifier if connected.


#### Set up the system

Select the corresponding setting of the TV set (AV1, AV2, S-Video, DVD etc.).

If connected to a RF modulator, select the appropriate channel until the DVD screen appears.

If an amplifier has been connected, select the corresponding output mode.

#### Load a disc

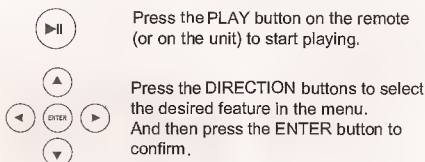
Press OPEN button  on the Front panel to open the disc door.

Load a disc with label facing up and then close the door by hand.

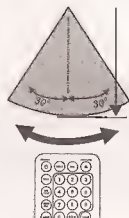
#### Automatic playback

The unit will take a few seconds to load the disc's initial data and then start playing back automatically.

#### If a DVD disc menu appears on screen



Within  
6 meters (20 feet)



## OSD

### CD/DVD

Press the OSD button (On-screen-display) to show the time and status information.

### JPEG

Press the OSD button to display picture mode options. Select "Slide 1" to display the picture for 3 seconds. Select "Slide 2" to display the picture for 5 seconds. Select "Slide 3" to display the picture for 7 seconds. Select "Album" to display 6 pictures on the screen. Select "Rotate" to rotate the image. Select "Zoom" to zoom the image.

## Open/Close disc tray



To open and close the disc tray. Press the OPEN button on the front panel.

## Play/Pause/Stop



Press the PLAY/PAUSE button to play the disc. Press the PLAY/PAUSE button to pause(still Picture).



Press the PLAY/PAUSE button to resume normal playback.



Press the STOP button to stop in two modes.  
a) Press the STOP button once and the STOP function memorizes the position. The OSD will show "R.Stop". Press the PLAY button to resume playback.  
b) Press the STOP button twice to completely stop the disc. The DISPLAY shows STOP. Pressing PLAY will start the disc from the beginning.

## Skip Forward/Backward



Press ►► button to go to the next DVD chapter or CD track.



Press ►► button to go to the previous DVD chapter or CD track.

### NOTE

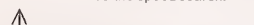
Player will not skip forward or backward during the "WARNING" section of a DVD disc. Single chapter DVDs or single track CDs cannot skip forward/backward.

## Fast forward/backward



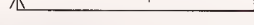
Press/hold the button to search forward through a disc.

Normal ► X2 ► X4 ► X8 ► X16 ► X32  
increase the speed search.



Press/hold the button to search backward through disc.

Normal ► X2 ► X4 ► X8 ► X16 ► X32  
increase the speed search.



Press the PLAY button to resume normal playback.

### NOTE

The player is muted in fast forward or fast backward mode. Player will not fast forward or fast backward during the "WARNING" section of a DVD disc.



The player is muted in SLOW mode.

Press the SLOW button to play in slow motion. Repeatedly pressing the button will increase the speed.

Play ► X 1/32 ► X 1/16 ► X 1/8 ► X 1/4 ► X 1/2



## DISC TITLE/ MENU



While playing a DVD. Press the MENU/PBC button return to the DVD start menu.



Press the PLAY button to enter a menu selection.



While playing a DVD, press the TITLE button to return to the beginning of the DVD disc.

### NOTE

The TITLE function is not supported on all discs.



## FUNCTION BUTTONS

### Select an item in the menu

In the DVD disc start menu or in the player's setup menu.



Press the **DIRECTION** buttons to highlight function icons.



Press the **ENTER** button to confirm a selection.



Press the **CLEAR** button to cancel an entry.



Press the **PSCAN** button to perform the conversion for:

P-Scan

YUV

S-Video + CVBS

### Numeric Key Pad

(Direct Program access)



1) Access a DVD Chapter or a CD track directly.

2) Input numeric data.

#### NOTE

Some DVD discs do not allow the direct access function.



Press the **MUTE** button to select mute on or mute off.



Press the **ENTER** button to execute the direct access function.

### Repeat section A-B

To repeat a specified section of a disc.



Press the **A-B** button at the starting point of the desired section.

The screen displays "Repeat : A-".



Press the **A-B** button again at the end of the desired section.

The screen displays "Repeat : A-B".

The player will start repeating the desired section until the function is cancelled.

To cancel the function, Press the **A-B** button again to return to normal play.

#### NOTE

Some DVD discs do not allow the A-B function

### Repeat

To repeat a title/chapter/track or a whole disc.



Press **REPEAT** button repeatedly to select the repeat mode.

In DVD mode

Repeat Title

Repeat Chapter

Repeat Off

In CD mode

Repeat Track

Repeat Disc

Repeat Off

#### NOTE

Some DVD discs do not allow REPEAT function.



## Multi - Angle / Subtitle / Audio



While playing a DVD disc, press the ANGLE button to view different camera angles on the disc. A DVD disc may contain up to 9 selectable camera angles.



While playing a DVD disc, press the SUBTITLE button to select the language of the subtitles. A DVD disc may contain up to 32 selectable subtitles.



While playing a DVD disc, press the AUDIO button to select the language of the audio sound track. A DVD disc may contain up to 8 selectable audio sound tracks.

### NOTE

Some DVD discs do not have multiple ANGLES, SUBTITLES or AUDIO features.

## Volume Up / Down



While playing a disc, press the VOL + or VOL - buttons to adjust the volume output. Volume level will be shown on screen.

**VOLUME 15**



(STEP)---Press the STEP button when playing, to step frame by frame. Press the PLAY button to quit the STEP mode.



**DVD**  
Press the ZOOM button repeatedly and the TV Screen will display:  
2X --> 3X --> 4X--> Off

### JPEG

Press the ZOOM button repeatedly and the TV Screen will display:  
2X --> 3X --> 4X--> Off

Use the "DIRECTION" buttons to move the zoomed image.

### NOTE

The picture quality decreases as the picture size increases.

## SETUP



Press the SETUP button to enter the player's setup menu.

The Setup Menu allows the viewer to adjust the setting details of the player. Please read the SETUP MENU contents of the manual, for further directions.

## PROGRAM



Press the "Program" button to access the Random playback function and Programmed function playback.

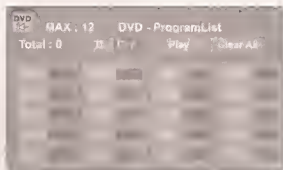
### Random Playback

Press the "Program" button twice to show "Random"  
Press ENTER to confirm.  
The player will playback chapters/tacks in a random order.

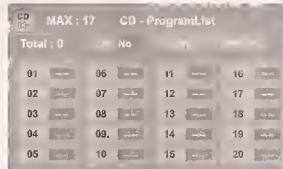
### Programmed Playback

Press the "Program" button a third time to select "program" and press ENTER to confirm. The below menu will appear on the screen.

#### DVD MODE



#### CD MODE

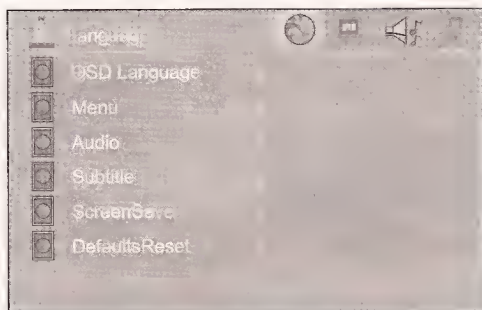


1. Press the DIRECTION buttons to move between entries.
2. Press the NUMBER buttons to input data
3. Press the PLAY button to start programmed playback. Or select "Play" from the editing window and press ENTER.
4. To delete incorrect input, press the CLEAR or ENTER button.
5. To cancel programmed playback, press PROGRAM button to select "Normal" and then press ENTER.

## SETUP MENU(Press SETUP button)

Various features of the player can be adjusted in the SETUP menu:

1. Press the SETUP button to show the setup menu.
2. Press the direction buttons to select the desired item.
3. Press ENTER to confirm.



### Language Setup

Item	Instruction	Default setting
OSD	Select OSD Language	English
Menu	Select Menu Language	English
Audio	Select Audio Language	English
Subtitle	Select Subtitle Language	English
ScreenSaver	Set screensaver on/off	On
DefaultsReset	Restore all settings to the factory default.	

### Display Setup

Item	Instruction	Default setting
Aspect Ratio	Select aspect ration as 16:9, 4:3L-Box, 4:3 PS	4:3L-Box
TV Type	Setup TV Type from Auto, NTSC, PAL	NTSC
Video Out	Change video output modes as S-Video+CVBS, P-Scan, YUV	S-Video+CVBS

**Audio Setup**

Item	Instruction	Default setting
SPDIF Digital	Select from PCM, RAW, OFF.	RAW
Channel Output	Select channel output mode as LT/RT, Stereo	Stereo

**Parental Setup****Password**

You are required to input a four digit password before access to other setup options.  
The initial password is 8888.

**Change password**

After the initial password is confirmed, select "Change" and input a new four-digit password.

**WARNING:** Please keep a copy of the new password in a safe place, otherwise you will not be able to change the Parental Control.

Please remember your Password, as the DEFAULT setting will revert everything BUT the PASSWORD to the factory defaults.

**RatingLevel**

There are eight levels of Control. Level one will allow discs appropriate for children to be played. Level eight is suitable only for adults.

**Should your DVD player develop a problem, please check below before requesting service:**

Symptom	Check and Action
No Power	<ul style="list-style-type: none"> <li>• Make sure the unit has been powered on manually.</li> <li>• Check if the power cord has been properly connected to the power outlet.</li> <li>• Check if the Main Power switch on the unit is turned on.</li> </ul>
Does not play	<ul style="list-style-type: none"> <li>• No disc, load a disc.</li> <li>• Disc has been loaded upside down. Place the disc with the label facing up .</li> <li>• Disc's region code does not match to that of the player's.</li> <li>• Disc's rating level is higher than the player's preset rating level.</li> <li>• Disc is incorrect type for the player.</li> <li>• Disc is damaged or dirty. Clean the disc or try another one.</li> <li>• Moisture may have condensed inside the player. Remove the disc and leave the unit on for one or two hours.</li> </ul>
No Picture	<ul style="list-style-type: none"> <li>• Check if the TV set has been powered on. Use TV remote to select A/V signal for DVD rather than broadcast.</li> <li>• Check if the system connection is properly secured.</li> <li>• Check if the connection cables are damaged.</li> <li>• Clean the disc.</li> <li>• Press the PSCAN button a few times.</li> </ul>
Picture noisy / distorted	<ul style="list-style-type: none"> <li>• The disc is dirty or damaged. Clean the disc or try another disc.</li> <li>• Reset the color system of the TV set.</li> <li>• Make sure the DVD is not connected through a VCR,Cable or Satellite dish.</li> </ul>
Picture not full screen	<ul style="list-style-type: none"> <li>• Select the screen format from the player's Set Up Menu. see " Set Up Menu. " of this manual.</li> <li>• Select the screen setup from DVD disc menu.</li> </ul>
Problem message displayed on screen	<p>Following messages will be displayed when there is a problem with the loaded disc.</p> <ul style="list-style-type: none"> <li>• <b>"INVALID REGION.:"</b> Disc's region code does not match to that of the player's.</li> <li>• <b>"ENTER PASSWORD.:"</b>The player may deny a disc with a rating level higher than the player's preset rating level.</li> <li>• <b>"WRONG DISC" :</b> The player is equipped with automatic disc quality detection software. When the player detects a problem or damaged disc, the player may keep playing the disc at lower quality or stop playing, which will depend on the damage level of the disc.</li> </ul>
Malfunction	<ul style="list-style-type: none"> <li>• Press and hold the standby button (if any) for about 5 seconds to power off.</li> <li>• Should the player develop a malfunction, unplug the player for 30 minutes. After 30 minutes, power on the player and the restore function should reset the player.</li> </ul>



**CAUTION** : To reduce the risk of fire and electric shock, do not remove the cover (or back) of the unit. Refer servicing only to qualified service personnel.

Symptom	Check and Action
Cannot SKIP or SEARCH	<ul style="list-style-type: none"> <li>Some discs are so programmed that do not allow users to SKIP or SEARCH at some sections, especially at the beginning WARNING section.</li> <li>Single Chapter disc cannot skip forward/backward.</li> </ul>
No sound or sound output not complete	<ul style="list-style-type: none"> <li>Check if the TV and Amplifier have been switched on, and correctly set.</li> <li>Check if the TV and Amplifier system connections are securely connected.</li> <li>Press the AUDIO button to select another audio track output.</li> <li>Check if the MUTE function of the TV or Amplifier has been activated.</li> <li>There will be no sound output during fast forward/backward, PAUSE, STEP and SLOW.</li> </ul>
Remote control does not function	<ul style="list-style-type: none"> <li>Make sure the Power button on the unit has been turned on manually.</li> <li>Remove any obstacles between the remote control and the player.</li> <li>Point the remote control towards the remote sensor on the player.</li> <li>Check if the batteries of the remote control have been loaded with the correct polarities.</li> <li>Replace the batteries of the remote control.</li> </ul>
Type of Disc	DVD/DVD±R/RW CD-DA CD-R /RW

Video Format	MPEG 2
Audio Format	MPEG 1, LAYER 1, LAYER 2
Signal Output	Color System: PAL / NTSC Audio System: DOLBY DIGITAL down mix stereo DOLBY DIGITAL digital output Audio DAC 24 bit/96KHz Video Output: 1Vpp (at 75ohm) Audio Output: (Stereo): 2Vrms (1KHz, 0dB)
Frequency Response	CD: 2Hz-20KHz(EIAJ) DVD: 4Hz-22KHz(48K) 4Hz-22KHz(96K)
S / N ratio	CD audio: 115dB(EIAJ)
THD	CD audio: 0.01%(EIAJ)
Output Terminals	Video (composite) output x 1 Down Mix Stereo output (Left and Right) x 1 Digital audio (coaxial) output x 1
Power input	AC100-240V~50/60Hz 20W(Max.)
Pickup	Wave length: 655nm
Laser power	CLASS1